ABSTRACT

A fluorescent lamp is configured so that a glass bulb has a phosphor film formed on its internal face, and a rare gas and an amalgam pellet are

5   enclosed therein.   The amalgam pellet contains zinc, tin, and mercury as principal components, one amalgam pellet is enclosed in the glass bulb, and the amalgam pellet has a weight of not more than 20 mg.   The fluorescent lamp satisfies the relationship expressed as: $45\times(1-A) \leq x \leq 55\times(1\text{-}A)$, $75A \leq y \leq 85A$, $45-30A \leq z \leq 55-30A$, and $x+y+z \leq 100$, where x represents a content of

10   zinc contained in the amalgam pellet in percent by weight, y represents a content of tin therein in percent by weight, and z represents a content of mercury therein in percent by weight.   This configuration allows the fluorescent lamp to be characterized in that an amount of released mercury that is necessary for the first lighting of the fluorescent lamp is secured, and

15   that the phosphor film is less prone to being peeled due to the amalgam.